

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number
WO 2005/097355 A1

(51) International Patent Classification⁷: B05C 17/02

(21) International Application Number:
PCT/SG2005/000089

(22) International Filing Date: 22 March 2005 (22.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
200401978-2 8 April 2004 (08.04.2004) SG

(71) Applicant and
(72) Inventor: ERH, Poh Soon [SG/SG]; Blk 954 Hougang
Ave 9, #12-526, Singapore 530954 (SG).

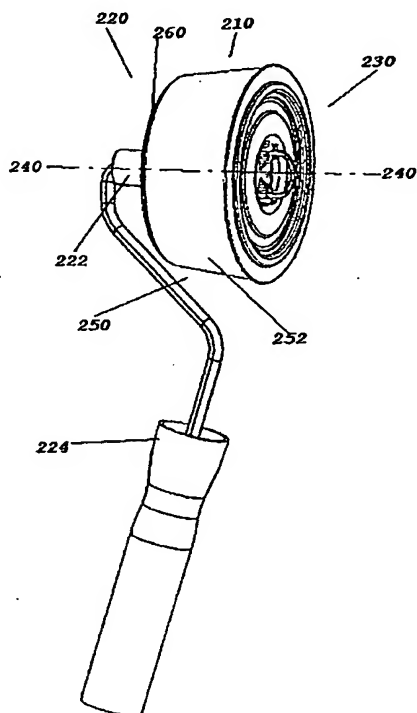
(74) Agent: LAWRENCE Y D HO & ASSOCIATES PTE
LTD; 30 Bideford Road, #07-01 Thongsia Building, Sin-
gapore 229922 (**).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: AN IMPROVED ROLLER FOR SELECTIVELY APPLYING PAINT AT SURFACE CORNERS



(57) **Abstract:** A frustoconically-shaped paint roller (210) to selectively apply paint to surfaces and surface corners is described. The paint roller has a rolling guide (280) that permits the roller to rotate eccentrically so as to accommodate rough or uneven surfaces. A circular integral guard (260) of predetermined diameter is present to prevent the user from applying excessive force when using the roller and squeezing paint from the roller. When used correctly, the integral guard does not contact the surface to be painted. One embodiment of the invention has a chamber (270) to store paint so that the repeated frequent charging of the roller with paint from a can or tray is avoided.

WO 2005/097355 A1